

ONE HUNDRED AND EIGHTH REPORT

*American Printing House  
for the Blind*

INCORPORATED

LOUISVILLE, KENTUCKY

For the Year Ending

June 30, 1976



ONE HUNDRED AND EIGHTH REPORT

of the

BOARD OF TRUSTEES

of the

**AMERICAN PRINTING HOUSE  
FOR THE BLIND**

INCORPORATED

Louisville, Kentucky

For the Year Ending June 30, 1976



Finis E. Davis

The following table shows the results of the survey conducted in 1970-1971. The data is presented in a tabular format, with columns for the different categories and rows for the specific data points. The table is organized into two main sections, each with its own set of columns and rows.

The first section of the table, titled "Section 1", contains data for the years 1970 and 1971. The columns are labeled "Year", "Category", and "Value". The rows represent different categories of data, with values for each year.

The second section of the table, titled "Section 2", contains data for the years 1970 and 1971. The columns are labeled "Year", "Category", and "Value". The rows represent different categories of data, with values for each year.

The third section of the table, titled "Section 3", contains data for the years 1970 and 1971. The columns are labeled "Year", "Category", and "Value". The rows represent different categories of data, with values for each year.

The fourth section of the table, titled "Section 4", contains data for the years 1970 and 1971. The columns are labeled "Year", "Category", and "Value". The rows represent different categories of data, with values for each year.

The fifth section of the table, titled "Section 5", contains data for the years 1970 and 1971. The columns are labeled "Year", "Category", and "Value". The rows represent different categories of data, with values for each year.

The sixth section of the table, titled "Section 6", contains data for the years 1970 and 1971. The columns are labeled "Year", "Category", and "Value". The rows represent different categories of data, with values for each year.

The seventh section of the table, titled "Section 7", contains data for the years 1970 and 1971. The columns are labeled "Year", "Category", and "Value". The rows represent different categories of data, with values for each year.

The eighth section of the table, titled "Section 8", contains data for the years 1970 and 1971. The columns are labeled "Year", "Category", and "Value". The rows represent different categories of data, with values for each year.

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The Executive Head of each Institution for the Education of the Blind (or his designee), and the Chief State School Officer of each State Department of Education (or his designee) of the United States and its Possessions



## SECRETARY'S PAGE

The Annual Meeting of the Board of Trustees of the American Printing House for the Blind convened at 12:30 p.m., October 19, 1976, at the Galt House, Louisville, Kentucky with the following members present:

### CORPORATE TRUSTEES

Mr. Charles W. Allen, Jr., Vice President  
Mr. John W. Barr, III, Treasurer  
Special guest: Finis E. Davis, Consultant to the Board

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Mr. Jack W. Brady, Superintendent, West Virginia Schools for the Deaf and the Blind, Romney, West Virginia

Dr. Nancy J. Bryant, Superintendent, Michigan School for the Blind, Lansing, Michigan; also representing the Michigan State Department of Education

Miss Gloria Calovini, Director, Educational Media and Information Service, Illinois Office of Education, Springfield, Illinois

Mr. Samuel J. Cole, Superintendent, The Governor Morehead School, Raleigh, North Carolina

Mr. Bill Davis, APH-Media Coordinator, New Mexico School for the Visually Handicapped, Alamogordo, New Mexico

Mr. Bill J. Duckworth, Consultant, Programs for Physically and Visually Handicapped, Indiana State Department of Public Instruction, Indianapolis, Indiana

Mr. Donald H. Edwards, Director, Oregon State School for the Blind, Salem, Oregon

Mr. William H. English, Superintendent, Wisconsin School for the Visually Handicapped, Janesville, Wisconsin

Mr. Will D. Evans, Superintendent, Kentucky School for the Blind, Louisville, Kentucky

Mr. Robert A. Hansen, Superintendent, Texas School for the Blind, Austin, Texas

Mr. Harold L. Hodges, Education Program Specialist, Kansas State Department of Education, Topeka, Kansas

Mrs. Isabella Holmes, Coordinator, Physical Handicaps, Georgia State Department of Education, Atlanta, Georgia

Mr. Richard E. Hyer, Jr., Superintendent, Georgia Academy for the Blind, Macon, Georgia

Mr. Frank Johns, Jr., Superintendent, The Connecticut Institute for the Blind, Hartford, Connecticut

Mrs. Janie Fox Jones, Chief Consultant, Division of Special Education, Texas Education Agency, Austin, Texas

Mr. Donald W. Johnson, Superintendent, Missouri School for the Blind, St. Louis, Missouri; also representing Missouri State Department of Education

Mr. Vahram Kashmanian, Director of Educational Services, New Jersey Commission for the Blind, Newark, New Jersey

Miss Elinor Long, Supervisor for the Visually Handicapped, Bureau of Special Education, Pennsylvania State Department of Education, Harrisburg, Pennsylvania

Dr. William J. McClure, President, Florida School for the Deaf and the Blind, St. Augustine, Florida

Mr. Floyd J. McDowell, Superintendent, Montana State Department of Public Instruction, Great Falls, Montana

Miss Anne T. Mallory, Consultant, Division of Physically Handicapped, Kentucky Department of Education, Frankfort, Kentucky

Mr. Jonathan C. McIntire, State Consultant, Special Education Section, New Hampshire State Department of Education, Concord, New Hampshire

Mr. Andrew S. Papineau, Supervisor for Visually Handicapped, Wisconsin State Department of Public Instruction, Madison, Wisconsin

Mr. Frank S. Penland, Director, Education Services, Virginia Commission for the Visually Handicapped, Richmond, Virginia; also representing the Virginia State Department of Education

Mrs. Anna C. Perry, Director of Education, Royer-Greaves School for the Blind, Paoli, Pennsylvania

Mr. Anthony J. Pizzolato, Supervisor, Louisiana State School for the Blind, Baton Rouge, Louisiana

Mr. Jerry L. Regler, Superintendent, Nebraska School for the Visually Handicapped, Nebraska City, Nebraska

Mr. James A. Schimmoller, Educational Consultant, Ohio State Department of Education, Worthington, Ohio

Mr. W. Buck Schrotberger, Senior Consultant, Colorado IMC for Visually Handicapped, Colorado Department of Education, Denver, Colorado

Mr. Guru Sharma, Director, Upsal Day School for Blind Children, Philadelphia, Pennsylvania

Mr. Joe R. Shinpaugh, Superintendent, Virginia School for the Deaf and the Blind, Staunton, Virginia

Mr. H. Smith Shumway, Director, Services for Visually Handicapped, Wyoming State Department of Education, Cheyenne, Wyoming



Mr. Frederick L. Sinclair, Consultant, Education of the Visually Handicapped, California State Department of Education

Mr. Benjamin Smith, Director, Perkins School for the Blind, Watertown, Massachusetts

Miss Marilyn Sorensen, Consultant, Vision and Physically Handicapped, Minnesota State Department of Education, St. Paul, Minnesota

Mr. William A. Springer, Orientation and Mobility Specialist, D. C. Public Schools, Washington, D. C.

Mr. John D. Stager, Consultant for Visually Handicapped, Massachusetts Department of Education, West Boylston, Massachusetts

Mr. Louis G. Strickland, Coordinator of Adjustment Services, Mississippi Vocational Rehabilitation for the Blind, Jackson, Mississippi

Mr. Glenn E. Thompson, Superintendent, New York State School for the Blind, Batavia, New York

Dr. Richard G. Umsted, Superintendent, Illinois Braille and Sight Saving School, Jacksonville, Illinois

Mr. N. F. Walker, Superintendent, South Carolina School for the Deaf and the Blind, Spartanburg, South Carolina

Mr. Jerry Watkins, Superintendent, New Mexico State Department of Education, Alamogordo, New Mexico

Mr. Charles C. Woodcock, Superintendent, Iowa Braille and Sight Saving School, Vinton, Iowa

Mr. J. M. Woolly, Superintendent, Arkansas School for the Blind, Little Rock, Arkansas

Guests present were the following members of the Staff of the American Printing House for the Blind and Dr. Nolan's secretary

Robert L. Haynes, Data Processing Manager

Jane T. Kent, Office Manager

Carl W. Lappin, Director, IMRC

Ralph E. McCracken, Editor

Hazel V. Maffet, Head, Magazine and Fund Raising Department

Howard Oliver, Head of Printing and Educational Aids

Glenn B. Scheurich, Head, Talking Book Department

James Weber, Director, Educational Research Department

Cecile A. Maddux, Secretary to Dr. Nolan

Following the luncheon, Dr. Nolan introduced members of the Corporate Board, special guests and the chairmen of the various committees seated at the head table. He then asked all others in attendance to stand and announce his or her name and position held in the field of education of the

blind. Dr. Nolan announced that President Dabney was unable to attend the meeting and expressed regrets in his behalf. He then introduced John W. Barr, III, who presided at the meeting and gave the President's report.

The reports of the Publications Committee, Educational Research Committee, Educational Aids Committee and the Vice President and General Manager were presented and, upon motion, duly seconded and passed, were approved and ordered published in the Annual Report.

Dr. Nancy J. Bryant, Chairman of the Nominating Committee, consisting of Mr. Glenn Thompson and Mr. H. Smith Shumway and herself, placed in nomination the names of the following ex officio trustees, who were duly seconded and elected:

*Publications Committee:*

Mr. John D. Stager — Chairman — one year, Massachusetts Department of Education

Dr. Richard Umsted — for a term of five years — Superintendent, Illinois Braille and Sight Saving School

*Educational Research Committee:*

Miss Elinor Long — Chairman — one year, Pennsylvania State Department of Education

Dr. Nancy J. Bryant — for a term of five years — Superintendent, Michigan School for the Blind

*Educational Aids Committee:*

Dr. Everett Wilcox — Chairman — one year, California School for the Blind

Mr. Harold Hodges — for a term of five years — Kansas State Department of Education

There being no further business, the meeting adjourned at 2:30 p.m.

Respectfully submitted,

Carson Y. Nolan, Ph. D.  
*Secretary*

## REPORT OF THE PRESIDENT

October 19, 1976

It is my pleasure to welcome all of you, on behalf of the Corporate Board, to the Annual Meeting of the American Printing House for the Blind. I know we always profit from the committee meetings and informal discussions with our ex officio trustees and I hope these have been equally interesting and informative to you.

Overall, we have had a productive year with most items being available in stock for the beginning of the new school year. Our finished goods inventory increased again this year by \$563,249 which means we have more potential for service. Sales showed a significant increase of 24% in the amount of \$1,445,363.

A big job accomplished during the year was the revision of our pension plan to comply with the provisions of the Federal Retirement Income Security Act of 1974. This revision will result in greater costs to the Printing House because of increased limits of eligibility, earlier vesting, some limited expansion of benefits, and because of the change from a contributory to a non-contributory plan. These increased costs may eventually have some impact upon our cost structure. However, we take great satisfaction in the knowledge that we have a sound and adequate retirement plan for our people.

Last year, I announced our intention to attempt to secure an additional item in the appropriation under the Act, "To Promote the Education of the Blind" to provide a base to maintain flexibility and continuity in our educational research and development program. We did work with the Senate and House Committees on this with the result that our request for the sum of \$250,000 was included in their respective appropriations bills. Many of you wrote in support



of our efforts to your congressional representatives. We greatly appreciate your assistance.

Efforts to improve our data processing capabilities have met with mixed results this year. Installation of an additional 360-20 IBM computer has been completed. Now both of our 360-20's are housed in a remodeled area separate from our braille translation activity. This will result in more effective computer utilization for business purposes. Parts problems have delayed the installation of the model 360-65 computer destined to replace our current model 7040. We hope to see this exchange completed soon.

Late in the year, the Corporate Board approved acquisition of a new phototypesetting system. Use of this system will completely eliminate our long dependence on outside typesetters and greatly lessen the production delays we have experienced as a consequence.

Two changes related to the Corporate Board have occurred since our last meeting. Mr. John W. Barr, III has been elected Treasurer of the American Printing House. We look forward to a long tenure for Mr. Barr in this position. Mr. Boyce F. Martin has tendered his resignation. Mr. Martin has a long history of positive contribution to our operation, particularly with respect to our retirement program. His presence on the Corporate Board will be greatly missed.

The most significant event of the year was the retirement of Mr. Finis E. Davis on 31 August 1976. As all of you know, Mr. Davis had been our Vice-President and General Manager for over 29 years. You who were here at our meeting last year will recall the presentation made honoring his tenure of service. There are neither words nor time to express our appreciation of his many substantial contributions to the growth of the American Printing House.

In mid-summer, the Corporate Board appointed Dr. Carson Y. Nolan to succeed Mr. Davis as Vice President and General Manager. Dr. Nolan was also appointed Secretary to the Board.

The past year has been one of great productivity and growth at the Printing House. I am sure more details of this will be given in Dr. Nolan's report.

In closing, I would like to extend to our ex officio and corporate boards, to Mr. Davis and Dr. Nolan, and to the staff and employees of the Printing House, my sincere thanks and appreciation for their efforts.

Respectfully submitted,

Watson B. Dabney, *President*



## REPORT OF THE VICE PRESIDENT AND GENERAL MANAGER

October 19, 1976

Welcome to the One Hundred and Eighth Annual Meeting of the Board of Trustees of the American Printing House for the Blind. It is encouraging that so many leaders in education of the visually handicapped are interested enough to come to Louisville to help us achieve our common goal of providing materials for the education of the students we serve. This year, more than 150 are here to attend our committee meetings and the additional informal meetings we hold. We feel that such close interaction with our consumers contributes much to the quality of our efforts.

The report that I am about to give reflects the results of the last year of Finis E. Davis' tenure as Vice President and General Manager of the Printing House. As this report and the report of our President indicate, Mr. Davis finished his career in a very strong fashion with the kind of productive year that has characterized his term of office at the Printing House. All of us at APH miss him.

Registration of blind children under the Federal Act "To Promote the Education of the Blind" for 1976-77 totals 28,995. This represents an increase of 1675 students over those registered the previous year. Of this group, 6340 were enrolled in residential schools and 20,273 were registered through state departments of education. Four-hundred-ninety students were in hospital programs and 1884 were registered through commissions for the blind and rehabilitation programs. Twenty-one percent of the total group were braille readers, while 43% read large type. Four percent of the students read both media, however, 32% read neither.

As you know, this year the federal fiscal year shifted to the period 1 October — 30 September. The annual appropriation for this new fiscal year 1977 is \$3,012,000 which provides a per capita quota allocation of \$92.84. Our FY 1977 appropriation includes \$80,000 for administration of the Act

and for expenses of the Advisory Committees and field representatives. In addition, much to our gratification, our appropriation includes \$250,000 earmarked for educational materials research and development.

As the President's report indicated we had a record year for sales. In all it was a highly productive year. Some of the specifics for the year are as follows.

## TALKING BOOKS AND ELECTRONIC DEVICES

Our new APH variable speech control has sold steadily, however, at a much slower rate than we have anticipated. Sales of the new four-track cassette recorder/player have been quite good. The portable Soniguide, which was developed in California and designed for production by APH, is in stock for immediate delivery. All other standard APH electronic products are in stock, including the modified Sony 105A, the Portable Sound Source, the Talking Book Reproducer, and the new Light Sensor.

Record production, both rigid and flexible, reached an all time high this year with over eight-million records being pressed. Cassette production for the year was 92,000.

A new talking book catalog was issued during the year.

## BRAILLE

The total number of braille plates produced during fiscal 1976 was 174,703 which represented an increase of 9% over the previous year. Four-hundred-thirty-six new book titles were produced.

Vacuum Form Braille production increased dramatically. A total of 175 new titles were printed this year with 792 orders being processed. This is a 20% increase over the previous year. A new vacuum form catalog was issued.

## LARGE TYPE

Ninety-seven regular run large type titles were produced. New titles in short run fell to 196. Our short run capacity increased during the year so that the 10 month backlog of

orders experienced in June of 1975 was significantly reduced to its current level of four months. Overall, we produced over 41,000 short run books during the year.

## EDUCATIONAL AIDS

Our sales of educational aids and appliances were over \$650,000 last year. This represents an increase of 47% over the previous year. Almost all educational aids on order by 1 June were ready for delivery to the schools by their September opening.

## INSTRUCTIONAL MATERIALS REFERENCE ACTIVITIES

Our Central Catalog of Volunteer-Produced materials is still heavily in use. During the year we answered over 6500 requests for information from this source. Over 1500 requests were by telephone. More than 23,000 reports of intentions to transcribe books and of completions of transcriptions of books were processed by the catalog staff. This catalog now contains over 80,000 listings.

In addition to this information service, our IMC staff, members of the Editorial Department, and members of the Educational Research staff served the field directly through participation in college teacher training programs, inservice workshop for teachers and administrators, appearance at professional meetings, and consulting visits to state departments and residential schools.

## EDUCATIONAL RESEARCH AND DEVELOPMENT

We have continued to make progress in our educational research and development efforts. Materials development projects were conducted in the areas of science, mathematics, social studies, language development, sensory development, recorded references, braille reading and educational measures. Progress has been hampered to some extent by personnel turnover. In the latter part of the year, we lost two project leaders as well as two research associates from our



research department. In addition, we experienced greater than expected delay in replacing our research director.

However, things look bright for the future. Dr. Katherine Simpkins and Miss Sheri Bortner have recently joined us as project leaders. Dr. James Weber became the new Director of our Department of Educational Research on 1 October. As indicated earlier, the FY 1977 HEW appropriation bill just passed included our request for \$250,000 for educational materials research and development. In addition, we just have been awarded a 42 month grant to revise the low vision training materials. In the near future we hope to reassess completely our research and development efforts to make sure they match current needs in our field.

It is a pleasure for me to appear before you this first time and give this very positive report on our last year's activities. I confess I look on my new appointment as Vice President and General Manager of the American Printing House with some pride and considerable humility. However, I am confident that we at the Printing House can continue to make the kinds of progress that have characterized the term of service of my predecessor, Finis Davis.

On Mr. Davis' behalf, on my own behalf, and that of the Printing House staff, I want to express appreciation for the excellent cooperation we have received from our ex officio trustees and the personnel under their direction during the year. Equally, I wish to express our very great indebtedness to our Corporate Board for giving so freely and helpfully of their time. I would like to extend his and my personal appreciation to the staff and employees of the Printing House, whose efforts have made it possible to show a continuing record of progress in services to the visually handicapped children and adults whom we serve.

Respectfully submitted,

Carson Y. Nolan  
*Vice President and  
General Manager*

## REPORT OF THE PUBLICATIONS COMMITTEE

In attendance were:

Robert Hansen, Superintendent Texas School, Chairman  
Newton Walker, Superintendent South Carolina  
Fred Sinclair, California State Department  
Andrew Papineau, Wisconsin State Department  
John Stager, Massachusetts State Department

Dr. Carson Nolan, Vice President and General Manager  
Carl Lappin, APH Textbook Consultant  
Ralph McCracken, Editor  
Barbara Bunuan, Assistant Editor  
William Watkins, Music Editor

The meeting of the Publications Committee opened at 1:30 P.M., Sunday, October 17, 1976, with all committee members present plus approximately 88 ex officio trustees, guests, and APH staff members.

Dr. Nolan greeted the group and turned the meeting over to Mr. Hansen. Mr. Hansen asked Mr. McCracken to give a report on the Editorial Department for the 1976 fiscal year.

Mr. Lappin presented the following braille and large type books to be approved for production: (List attached)

Mr. Walker moved that all books presented be approved for production by August 15, 1977. Mr. Sinclair seconded the motion and it was unanimously approved by the committee.

Mr. Watkins presented the following list of music books to be published in braille and short-run large type. Mr. Papineau moved that the list of music books be approved. The motion was seconded by John Stager and was unanimously approved by the committee. (List attached)

Carl Lappin introduced two Abacus manuals, THE ABACUS AND YOU and ABACUS BY TOUCH, for consideration. Mr. Sinclair moved that they be further explored. The motion was seconded by Mr. Walker and approved by the committee. Carl Lappin presented an ABC's book authored by Mr. Mendoza. Mr. Sinclair moved that it not be approved for production. The motion was seconded by Mr. Walker and approved by the committee.



## OLD BUSINESS

We had 17 requests for SCOPE magazine which were not enough orders to put it in line for production.

The research department examined the Weekly Reader, Outline Maps and found that they were too complex to produce in raised line format.

Mr. Walker moved that the above information be accepted and inserted in the record. The motion was seconded by Mr. Sinclair and approved by the committee.

The problems of raised line drawings in first and second grade mathematic books were explored. Much discussion came from the group concerning the matter. No real decision was reached.

With no further business, the meeting adjourned at 3 p.m.

Respectfully submitted,

Robert A. Hansen, *Chairman*

## TEXTBOOKS ADOPTED BY APH PUBLICATIONS COMMITTEE

October, 1976

Energy, A Physical Science

Laidlaw Reading Program

Mathematics Around Us, Skills and Applications

Official Metric System

Reading Basic Plus

Reading Unlimited

Tiegs-Adams-Dawson, Social Studies Series

**BRaille AND LARGE TYPE MUSIC**  
**PUBLICATIONS ADOPTED BY**  
**APH PUBLICATIONS COMMITTEE**

October, 1976

(Titles suggested by the Music Workshop of the AEVH)

David C. Glover and Louise Garrow—PIANO STUDENT.  
Pub. by Belwin Mills, Melville, N.Y.

David C. Glover and Louise Garrow—PIANO REPERTOIRE. Pub. by Belwin Mills, Melville, N.Y.

Wesley Schaum—RHYTHM & BLUES. Pub. by Schaum Publications, Inc., Milwaukee, Wisconsin.

Wesley Schaum—PIANO FUN FARE (Schaum Solo Series). Pub. by Schaum Publications, Inc., Milwaukee, Wisconsin.

Wesley Schaum—PATRIOTIC PRIMER (A Child's First Book of Patriotic Music for Piano or Organ). Pub. by Schaum Publications, Milwaukee, Wisconsin.

Wesley Schaum—MUSIC FOR CHILDREN (Folk Songs and Dances for Piano for beginners) Pub. by Schaum Publications, Inc., Milwaukee, Wisconsin.

John Brimhall—THE JOHN BRIMHALL PIANO METHOD. Pub. by Educational Sheet Music and Books, Inc., New York, N.Y.

John W. Schaum—FINGERPOWER FOR PIANO OR ORGAN. Pub. by Schaum Publications, Inc., Milwaukee, Wisconsin.

## REPORT OF THE EDUCATIONAL RESEARCH AND DEVELOPMENT COMMITTEE

The Educational Research and Development Committee held its annual meeting at APH on Monday, October 18, 1976, at 9:00 a.m. Those members in attendance were Mr. Samuel Cole, Mr. W. Buck Schrotberger, Mr. Charles C. Woodcock, the Chairperson, Miss Elinor Long, and from the American Printing House, Dr. Carson Nolan, June Morris, and Dr. James Weber. Dr. Nolan introduced Dr. Weber as the newly appointed director of the Department of Educational Research, and other members of that Department were presented. Miss Long opened the meeting with an introduction of the Committee members, following which June Morris read a detailed report of the Department activities during Fiscal Year 1976, and activities that have been planned for Fiscal Year 1977.

During FY 1976 progress was made in the following areas:

1. *Facilitating Listening as a Medium for Education of the Visually Impaired Activities* included evaluation of an indexing cassette system as a reference source, resulting in modifications to the players to improve reliability.
2. *Design of written indexes for use with the recorded encyclopedia.*

Activities included design of six different indexes for a recorded encyclopedia sample, two of which through field testing were found to be more satisfactory.

3. *Media comparison study of dictionary use.*

Activities included sampling of intermediate pupils using braille and large type dictionary material compared to their speed and accuracy in using a recorded version. Results showed slightly higher success with written materials, but recorded materials produced good results, and the preference of the sample was for written material.



4. *A consumer review of a cassette dictionary.*

In this research two formats were presented to a sampling of teachers and librarians and blind adults. Results showed a preference for the format in which index information was superimposed on the same tracks with the content, and also, although good success was experienced by those sampled, most strongly preferred a written dictionary to the recorded version.

5. *Maps in the classroom.*

In this project children in the 3 to 5 functional age-range were sampled with their teachers in response to a map readiness program designed to teach the child's relationship of concrete objects to the space in which they are located. More than half of the children who participated completed the program successfully during the year, and teachers were enthusiastic with the materials and with the approach.

6. *Outline maps for large type readers.*

This project resulted in the development of 57 large type outline maps similar to those commercially available for regular students.

7. *Science Materials Development.*

Work this year has continued on individualized light experiments, utilizing the light sensor reported as developed last year at American Printing House. Pilot trials of such experiments were conducted and plans made for further work on these and other aspects for FY 1977.

8. *Metric measurement tools and materials.*

After researching textbooks and catalogs of metric measurement materials, specific plans were drawn up for linear measurement tools and materials to be developed in FY 1977.

9. *Two and three dimensional relationships in mathematics.*

For FY 1977 plans were made to research textbooks to

identify those spatial concepts in mathematics which are difficult for blind students to comprehend, to develop an aid prototype to illustrate two and three dimensional concepts in mathematics, and to conduct preliminary field trials with blind students using the prototype developed.

10. *Materials for Development of Auditory and Oral Language Skills.*

Activities include completion during FY 1976 of the "Listen and Think" materials K-3 so that the entire program is now available K-9; and the revision of BABL materials, Levels I-III (a demonstration of these was attended by the Committee). Plans for FY 1977 call for completion of the BABL program revisions, involving an expansion of the accompanying teacher's handbook, independent evaluation of the materials, and possible formulation of further development of this approach for use with children performing at higher levels.

11. *Adaptation of Educational Measures.*

During FY 1976 the Gilmore Oral Reading Test was selected after considerable research as a diagnostic test suitable for adaptation for visually handicapped students. If publisher permission is obtainable, this test will be edited for braille and large type with any necessary adaptations in the accompanying directions.

12. *Materials for MH-VH Students.*

During FY 1976 basic sensory experiences were defined and a set of specifications developed for the sensory stimulation kit, with considerable search of commercially available materials and some materials development, along with pilot testing. This work is due for completion in FY 1977, including revision of materials, independent review, development and trial use of materials and teacher guidelines, training of teachers in the use of the material, and evaluation.



13. *Primary Braille Reading Series.*

During FY 1976 considerable effort was exerted in researching concept development in tactile perception, braille reading, and general reading, analysis of vocabulary lists, and identification of braille oriented lists. A set of specifications was drafted for learning to read braille and this was reviewed by a committee of consultants. In FY 1977, a transition reader, three preprimers, and one primer will be written, with accompanying workbooks and teacher's manuals, and pilot testing of the materials will be made.

14. *Miscellaneous items in 1976 have included:*

a. *Basic reference materials for the partially sighted:*

Résults indicate greatest need for reference tables is in mathematics and statistics, specifications will be developed, formats designed, tables selected during FY 1977.

b. *Adaptation of self-instructional systems for the visually handicapped:*

Involved a review of currently available self-instructional teaching systems. One system, Flex-Ed was selected for study but adaptation deferred due to criticisms of the programs of this system.

c. *National Needs Assessment:*

American Printing House cooperated with the BEH-ETS project, developing questionnaires, reviewing related materials, etc., during FY 1976. Distribution of the questionnaire, data analysis, and a report describing the material needs of the visually impaired will be activities on this project in FY 1977.

15. *Miscellaneous items planned for FY 1977 will include:*

- a. Educational games for primary level children.
- b. Relationship between visual acuity and reading medium of blind students.

Following the reading of the report, major discussion by the Committee and others present centered on the problem of providing more materials suitable for not only multihandicapped children but for severely and profoundly retarded children who are additionally blind. Concern was expressed that the implementation of PL 94-142 will result in identification of greater numbers of these children and at earlier ages than heretofore, so that both the practitioners and the American Printing House Research and Development staff should assiduously search out what types of materials are appropriate, for what specific purposes, and whether special materials need to be developed or adapted at the Printing House.

Motion was made and approved that the report of the Educational Research and Development Committee be accepted, and the chairperson complimented American Printing House for the scope of activities and the work accomplished during the year by its fine staff on behalf of the blind children of the nation.

Respectfully submitted,

Elinor H. Long, *Chairperson*

## REPORT OF THE EDUCATIONAL AIDS COMMITTEE

The Annual Meeting of the Educational Aids Committee was held on the afternoon of October 18, 1976, at the American Printing House for the Blind. Present were Ms. Marilyn Sorensen and the chairman, Vahram Kashmanian.

Following opening remarks by Dr. Carson Nolan, vice president, the report on development and production of educational aids was presented by Mr. Howard Oliver, Head of Printing and Educational Aids. The report dealt with the status of Educational Aids on order, listed those newly completed and presented statistics on regular and short run type production that demonstrated a greatly increased capacity to meet needs within necessary time frames.

The Educational Aids staff of the Printing House then presented for consideration:

1. "Listen and Think" instructional and testing materials for Level AR
2. a kit for developing map concepts by young children which, when tested, was found to be useful in teaching orientation and mobility skills
3. cards for teaching cursive writing capitals

All were approved for production by the committee.

A suggestion was made that an Ad Hoc Committee be formed of consumer groups to establish a systematic, organized method for field input regarding identification of needs, long-range planning and establishment of priorities for research and aids development.

Dr. James Weber, Director of Educational Research, concluded the business of the meeting by explaining the sequence of material development.

The committee members thank Dr. Nolan and his staff associates for their cooperation and efforts to serve the needs of visually handicapped children.

Respectfully submitted,

Vahram Kashmanian



# PRODUCTION RECORDS FOR THE FISCAL YEARS 1973-1976

## PUBLICATIONS

<i>Braille</i>	<i>1973-74</i>	<i>1974-75</i>	<i>1975-76</i>
<i>Press-Braille</i>			
Number of Plates Stereotyped .....	155,469	164,487	176,336
Number of Titles Embossed:			
Literary .....	425	387	}
Music .....	12	8	
Magazines .....	602	610	
Number of Pages Printed .....	49,783,672	47,939,184	47,935,732
Number of Volumes Bound .....	97,722	100,632	106,819
Number of Pamphlets Published:			
Jute Covers .....	39,462	37,177	23,892
Paper Covers .....	25,004	3,566	4,597
Number of Magazines Published .....	311,839	374,742	279,651
Number of Music Selections Published .	6,453	1,991	1,995
<i>Vacuumform-Braille:</i>			
Number of Pages Printed .....	495,176	390,794	529,788
Number of Volumes Bound .....	6,775	5,307	7,571
<i>Print and Print and Braille</i>			
Number of Alphabet Cards Printed .....	4,962,900	5,370,854	2,184,520
Number of Volumes Printed and Bound	}	10,627	36,060
Number of Pamphlets Printed and Bound			
Number of Catalogs Published:			
Print .....	5,500	2,000	77,494
Braille (Music only) .....			
Brochures .....	610,578	436,094	821,196
<i>Large Print</i>			
<i>Regular Multiple-copy Runs:</i>			
Number of Plates Made .....	11,606	10,102	18,233
Number of Titles Published .....	88	43	123
Number of Pages Printed .....	17,166,132	4,213,211	18,236,972
Number of Volumes Bound .....	21,166	20,516	34,635
Number of Pamphlets Bound .....	29,744	31,544	48,454
<i>Short-run Process:</i>			
Number of Plates Made .....	172,919	220,841	274,729
Number of Titles Published .....	739	1,041	846
Number of Pages Printed .....	2,037,747	2,514,159	3,461,533
Number of Copies Bound .....	12,747	14,619	20,112
<i>Recordings</i>			
<i>Talking Books (discs):</i>			
Number of Masters Recorded .....	4,010	3,622	3,054
Number of Books Recorded .....	418	314	244
Number of Magazines Recorded .....	341	298	352
Number of Records Pressed .....	4,438,495	5,859,056	8,083,613



	Recordings (cont.)	1973-74	1974-75	1975-76
<i>Tapes:</i>				
<i>Open reel:</i>				
Number of Titles Recorded .....		3		93
Number of Tapes Recorded .....	68	96		669
Number of Tapes Duplicated .....	9,694	1,574		3,806
<i>Cassette:</i>				
Number of Titles Recorded .....	18	57		62
Number of Tapes Recorded .....	41	205		48
Number of Tapes Duplicated .....	90,516	52,553		92,587

## TANGIBLE AIDS

### *Braille Paper, Notebooks, Book Binders*

#### *Paper:*

Accordion-folded Notepaper (pkgs.) .....		100		82
Braille Slate and Writer Paper (pkgs.) ..	4,627	1,030		6,358
Transcribing Paper (reams) .....	7,975	16,899		9,149
Notebook Fillers (pkgs.) .....	7,524	3,844		6,476
Brown Braille Paper (to fit Krebs Binder (pkgs.) .....	27	154		102
Transcribing Paper (to fit Krebs Binder (reams) .....	479	1,198		983
Brailon (to fit Krebs Binder) (pkgs.) ....	1,801	1,600		3,700
Brailon 11 x 11½, 3 Holes .....	50	500		200

#### *Notebooks:*

Ringed Notebooks .....	2,501	5,075		4,137
------------------------	-------	-------	--	-------

#### *Binders:*

Krebs Binders .....	2,500	6,696		12,193
Locking Element for Krebs Binders (1-ring) .....		650		
Loose Leaf Binders (19-ring) .....	638	1,000		1,000

### *Braille Writing and Embossing Equipment*

#### *Slates and Styluses:*

Metal Guides .....	3,888	4,737		4,056
Plastic Guides .....	6,022	1,205		4,740
Interpoint Metal Pocket Guide .....	429	293		252
Interpoint Metal Postcard Guide .....	259			
Styluses .....	11,289	10,013		10,000
Desk Slate, 4-Line, 41-Cell with .....	114			

#### *Braillewriters:*

Lavender Writers .....	93	84		142
Perkins Braillews .....	464	728		805

#### *Erasers:*

Wooden .....				5,150
Teflon .....		847		621

#### *Programming Aids:*

Aluminum Diagramming Sheets .....				
Brallie Clockface Sheets .....		8,000		15,000
<i>Graph Sheets:</i>				
Embossed .....	300	700		851
Bold-line .....	1,002	1,089		807
Swail Dot Inverter Kit and Pad .....		160		225

<i>Aids for Geography</i>	<i>1973-74</i>	<i>1974-75</i>	<i>1975-76</i>
Braille Atlases .....	150	850	775
Landform Models .....	166	.....	300
<i>Maps:</i>			
Maps (dissected) .....	47	12	66
Map Easels .....	.....	25	.....
<i>U.S. Map Group:</i>			
Plastic .....	101	177	100
Braille .....	97	453	307
Large Type .....	1,134	2,452	1,141
U.S. Territorial Expansion .....	157	.....	.....
Storage Folders .....	50	200	100
Globe and Plaque Kits .....	.....	50	50
U.S. Continental Relief Map .....	<sup>1</sup>	.....	220
<i>Relief Globes; Plaques, Mileage Scales:</i>			
30" Floor Pedestal Globe .....	6	9	23
12" Table-Model Globes .....	274	145	254
12" Globe Mileage Scale .....	25	25	27
30" Globe Mileage Scale .....	63	.....	.....
<i>Globe Plaque</i>			
23" .....	.....	20	.....
10" .....	.....	.....	.....
<i>Handwriting Aids</i>			
APH Signature Guide .....	2,137	2,737	1,329
Bold-Line Writing Paper (lbs.) .....	27,766	40,274	42,363
Freund Longhand Writing Kit .....	100	371	196
Longhand Writing Paper (pkgs.) .....	.....	90	100
Embossed Pencil-writing Paper (pads) ...	1,795	1,156	1,158
Script-writing Boards .....	1,203	2,036	1,029
<i>Kindergarten and Primary Aids</i>			
Braille Clockfaces .....	610	887	861
<i>Constructo Sets:</i>			
Senior .....	103	125	300
Junior .....	151	411	400
Giant Textured Beads .....	580	1,036	903
Bead Stringer .....	149	501	200
<i>Cardboard Squares for Parquetry</i>			
Paper Work .....	4,000	2,000	2,000
Cardboard Sewing Cards .....	.....	10,400	3,000
Shape Board .....	344	500	500
Shoelace Aid .....	150	632	667
Nylon Shoe Lace .....	50	200	102
<i>Work-Play Trays:</i>			
Large .....	901	827	727
Small .....	400	568	781
Primary Peg Set .....	<sup>1</sup>	201	831
Sensory Cylinders .....	<sup>1</sup>	204	684

<sup>1</sup>Had not started manufacturing.

<i>Aids for Mathematics</i>	<b>1973-74</b>	<b>1974-75</b>	<b>1975-76</b>
Arithmetic Type Slates:			
APH Cubarithm Type Slate and Type:			
Slate Frame .....			15
Brannan Cubarithm Slate and Cubes:			
Slate Frame .....	433		35
Braille Cubes (sets) .....	184		221
Taylor Arithmetic Slate and Type:			
Plastic Type (sets) .....			
Cranmer Abacus and Coupler:			
Abacus .....	4,075	7,769	6,112
Coupler .....		497	430
Large Abacus .....	487	1,336	500
Fractional Parts of Wholes .....	87	387	200
GAVA (Geometric Area and Volume Aid) .....	96		300
Graphic Aid for Mathematics .....		195	306
Hoff Aid (cancelled—discontinued) .....			
Kine Mtply Vizr .....			
Master Cube .....	150	491	
Mitchell Wire Forms, etc. ....	107	16	283
Numberaid .....	501		500
Raised-line Checkbook .....	303	635	629
Rulers:			
English 1-foot Ruler with Caliper Slide .....		1,017	600
Metric-English Ruler with Caliper Slide .....	999	503	1,921
Glue-down Ruler .....			
Caliper Slide .....			
Tactual Ruler Familiarization .....	<sup>1</sup>	99	400

#### *Miscellaneous Aids*

APH Friction Pads Kit .....	201	50	250
Audible Goal-Locators:			
Portable Model .....	20	285	201
Braille Mailing Tubes .....	75	100	98
Chang Mobility Kits .....	200		200
Individual Study Screens .....	99	385	209
Reading Stands and Racks:			
Desk-top Reading Stand .....	229	167	402
Gore Reading Stand .....	47	174	150
Piano Rack for Partially Seeing .....	89	99	51
Shafer Reading Stand .....	137	56	276
Real — Number of Titles Recorded .....			73
Number of Tapes Recorded .....			
Number of Tapes Duplicated .....			3,194
Seated Parquetry Set .....		501	300
Staley Sports Field Kit .....	100	60	151
Stokes Place-Holder .....	241	421	203

#### *Music Aids*

Beetz Notation-Graph .....	25	25	124
L.T. Music Staff Paper .....	206	184	525

<sup>1</sup>Had not started manufacturing.

<i>Braille Reading Readiness</i>	<i>1973-74</i>	<i>1974-75</i>	<i>1975-76</i>
Formboard with Removable "Hands" ....	200	363	254
Roughness Discrimination Test .....	125	200	200
Braille Code Recognition Materials			
Instruction Kit .....	96	.....	300
Braille Code Recognition Teachers Kit....	99	.....	199
Tactual Aids for Reading .....	276	288	485
Tactual Aids for Reading 4-drawer Container	20	353	289

#### *Science Aids*

Science Measurements Kit .....	101	51	237
Biological Models .....	<sup>1</sup>	92	200
Simple Machine Kit I .....	<sup>1</sup>	88	.....
Simple Machine Kit II .....	<sup>1</sup>	75	.....
Simple Machine Kit III .....	<sup>1</sup>	94	.....
Identification Kit .....	<sup>1</sup>	225	310

#### *Spelling Aids*

##### Spelling Frame with Braille and Large Type Words:

Frame .....		500	600
Braille Words .....		588	.....
Large Type Words .....	200	719	293
Dolch Word Cards .....	<sup>1</sup>	194	985

#### *Aids for Recorded Materials*

Talking Book Reproducers:			
APH Model TR1000 (three-speed) .....	162	106	354
APH Model VTR5000 (variable speed) ..	83	266	483
Tape Recorders:			
APH Adapted Sony 105 (standard speed)	277	165	56
APH Adapted Sony 105 (variable speed)	618	1,192	964
Head Sets .....	800	1,550	950
Talking Book Albums .....	1,427	2,432	3,803
Talking Book and Braille Containers:			
Black Fiberboard .....	53,195	46,995	38,705
Plastic .....	449,063	473,099	512,222
Plastic Cassette Trays .....	94,873	106,250	58,812
Headphone Adapter Plug .....	300	400	200
APH Self-Threading Reel .....	200	100	150
Multiple Headset Adapter .....	217	335	240
83-D Needle Cartridge .....	200	350	400
6-Foot Extension Cord .....	68	150	100
AIWA Cassette Tape Recorder (Service only) .....			.....
G.E. Cassette Recorder M8355A .....	3,178	2,232	Discontinued
Foot Pedals Switch .....	500	450	400
Patchcord .....	698	350	.....
Cassette Indicator .....			.....
G.E. Cassette Recorder, 4-track Playback .	<sup>1</sup>	937	Discontinued

<sup>1</sup>Had not started manufacturing.



## ADDITIONAL PRODUCTION

Numberline .....	<sup>1</sup>	123	227
Textured Blocks .....	256	548	511
Switchcraft Patchcord .....	<sup>1</sup>	<sup>1</sup>	.....
G.E. Head Set .....	<sup>1</sup>	<sup>1</sup>	750
Reproducer Adptr. Plug .....	<sup>1</sup>	<sup>1</sup>	100
G.E. Cass. Rec-P/B 3-5192 .....	<sup>1</sup>	<sup>1</sup>	3,502
G.E. Remote Microphone .....	<sup>1</sup>	<sup>1</sup>	650
G.E. Patchcord Kit .....	<sup>1</sup>	<sup>1</sup>	500
Head Cleaning Cass. ....	<sup>1</sup>	<sup>1</sup>	544
G.E. Cass. Strap .....	<sup>1</sup>	<sup>1</sup>	300
Tact. Disc. Wkshts. 4 Pt. ....	<sup>1</sup>	<sup>1</sup>	200
Tact. Disc. Inst. and Wksh. ....	<sup>1</sup>	<sup>1</sup>	201
Geometric Forms .....	<sup>1</sup>	192	400
TRR Teachers .....	<sup>1</sup>	<sup>1</sup>	98
TRR Students .....	<sup>1</sup>	<sup>1</sup>	117
Variable Speech Control .....	<sup>1</sup>	<sup>1</sup>	800
Baseball Game .....	<sup>1</sup>	<sup>1</sup>	75
Circular Slide Rule .....	<sup>1</sup>	<sup>1</sup>	235
C1-Tabs .....	<sup>1</sup>	<sup>1</sup>	146
Geographical Concepts/T .....	<sup>1</sup>	<sup>1</sup>	50
Geographical Concepts/S .....	<sup>1</sup>	<sup>1</sup>	100
Light Sensor Unit/Manual .....	<sup>1</sup>	<sup>1</sup>	100
Soniguide .....	<sup>1</sup>	<sup>1</sup>	324
Take Away Game .....	<sup>1</sup>	<sup>1</sup>	75
Typewriting Bld. Student/T .....	<sup>1</sup>	<sup>1</sup>	50
Typewriting Bld. Student/S .....	<sup>1</sup>	<sup>1</sup>	100

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<sup>1</sup>Had not started manufacturing.

**COTTON AND ALLEN**

CERTIFIED PUBLIC ACCOUNTANTS

LOUISVILLE, KY. 40202

August 20, 1976

American Printing House for the Blind, Inc.  
Louisville, Kentucky

Gentlemen:

We have examined the balance sheet of the American Printing House for the Blind, Inc., as of June 30, 1976, and the statement of cash receipts and disbursements for the fiscal year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the accompanying balance sheet and statement of cash receipts and disbursements present fairly the financial position of the American Printing House for the Blind, Inc., as of June 30, 1976, and the cash receipts and disbursements for the year then ended, in conformity with generally accepted accounting principles, which, except for the change with which we concur in the method of funding past service cost in regard to the retirement plan, as described in Note 2 to the financial statements, have been applied on a basis consistent with that of the preceding year.

Cotton and Allen

Certified Public Accountants

# BALANCE SHEET — JUNE 30, 1976

## ASSETS

### GENERAL FUND

#### CURRENT ASSETS

Cash .....		\$ 295,487	
Accounts receivable .....		651,286	
Inventories			
Finished goods.....	\$1,863,066		
Work in process .....	662,427		
Materials .....	1,968,725	4,494,218	
Supplies .....		70,290	
Prepaid expenses .....		12,896	
Total Current Assets .....			\$ 5,524,177

#### FIXED ASSETS (Note 1)

	Cost	Accumulated Depreciation	Book Value
Land .....	\$ 69,669	\$	\$ 69,669
Buildings and improvements ..	2,918,325	803,655	2,114,670
Machinery .....	1,636,113	959,968	676,145
Office equipment.....	164,723	136,220	28,503
Net Book Value of			
Fixed Assets .....	<u>\$4,788,830</u>	<u>\$1,899,843</u>	<u>2,888,987</u>

TOTAL ASSETS — GENERAL FUND.... \$ 8,413,164

### SPECIAL FUNDS

#### BUILDING FUND

Cash .....		\$ 218
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#### ENDOWMENT FUND

Cash .....	\$ 78,327	
Investments, at cost		
(market value \$4,527,153).....	4,223,292	4,301,619

#### NEWSWEEK TALKING MAGAZINE FUND FOR THE BLIND

Cash .....	\$ 77,415	
Certificates of deposit .....	250,000	
Investments, at cost		
(market value \$301,700) .....	51,636	379,051

#### READER'S DIGEST FUND FOR THE BLIND

Cash .....	\$ 124,330	
Certificates of deposit .....	1,493,000	
Investments, at cost		
(market value \$19,445) .....	15,000	1,632,330

TOTAL ASSETS — SPECIAL FUNDS.... 6,313,218

TOTAL ASSETS..... \$14,726,382

*The Accompanying Notes are an integral part of these Financial Statements.*

# BALANCE SHEET — JUNE 30, 1976 (Continued)

## LIABILITIES AND FUND BALANCES

### GENERAL FUND

#### CURRENT LIABILITIES

Accounts payable .....	\$ 608,822	
Notes payable .....	1,000,000	
Accrued payroll .....	30,240	
Unexpended grant funds .....	35,903	
Accrued and withheld taxes .....	12,392	
Accrued contribution to pension plan (Note 2) .....	153,453	
Total Current Liabilities .....		\$1,840,810

#### FUND BALANCE

Capital investment .....	\$3,775,713	
Reserve for contingencies .....	2,796,641	
Total Fund Balance .....		<u>6,572,354</u>

#### TOTAL LIABILITIES AND

FUND BALANCE — GENERAL FUND .....	\$ 8,413,164
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### SPECIAL FUNDS

#### BUILDING FUND

Fund balance .....	\$ 218
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#### ENDOWMENT FUND

Fund balance — principal .....	\$2,997,061	
income .....	<u>1,304,558</u>	4,301,619

#### NEWSWEEK TALKING MAGAZINE FUND FOR THE BLIND

Fund balance .....	379,051
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#### READER'S DIGEST FUND FOR THE BLIND

Fund balance		
Editions .....	\$ 392,426	
Extensions .....	1,181,727	
Endowment .....	15,000	
Special gifts .....	<u>43,177</u>	<u>1,632,330</u>

#### TOTAL LIABILITIES AND FUND BALANCES —

SPECIAL FUNDS .....	<u>6,313,218</u>
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#### TOTAL LIABILITIES AND FUND BALANCES

<u>\$14,726,382</u>
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*The Accompanying Notes are an integral part of these Financial Statements.*



# STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS

**For the Fiscal Year Ended June 30, 1976**

CASH BALANCE, JULY 1, 1975.....	\$ 503,062
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**RECEIPTS**

From U. S. Government "to provide for the education of the blind" .....	\$ 2,338,000
From U. S. Government "to render advisory services" .....	80,000
Products provided to other agencies .....	4,638,820
Temporary bank borrowing .....	1,000,000
Reader's Digest Fund contributions .....	642,510
Newsweek Fund contributions.....	378,981
Endowment Fund contributions .....	127,389
Interest and dividends received.....	329,689
Investments liquidated .....	2,375,743
Sale of scrap and other income .....	<u>5,964</u>

TOTAL RECEIPTS .....	<u>\$11,917,096</u>
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TOTAL CASH AVAILABLE.....	\$12,420,158
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**DISBURSEMENTS**

Salaries and wages, other than fund raising and advisory services .....	\$ 3,271,840
Materials .....	4,169,921
Manufacturing supplies .....	138,958
General factory overhead .....	321,423
Shipping and circulation expense .....	120,553
Research and experimental expense .....	55,400
Fund raising, labor .....	41,071
Fund raising, materials and supplies .....	234,184
Administrative and office expense .....	205,599
Retirement.....	157,355
Payroll taxes, withholding and expense .....	214,498
IBM operation .....	124,591
Cost of advisory services rendered .....	80,000
Investments purchased.....	2,602,019
Factory and office equipment .....	<u>128,698</u>
Total .....	\$11,866,110
Less cash discounts taken.....	<u>(21,730)</u>

TOTAL DISBURSEMENTS .....	<u>11,844,380</u>
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CASH BALANCE, JUNE 30, 1976 .....	<u><u>\$ 575,778</u></u>
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*The Accompanying Notes are an integral part of these Financial Statements.*

## NOTES TO FINANCIAL STATEMENTS

### NOTE 1. *Fixed Assets*

Fixed assets are stated at their estimated value at June 30, 1941, plus cost of additions since that time. Depreciation, computed on the straight-line basis over reasonable useful lives of the various classes of assets, amounted to \$167,365 for the year.

### NOTE 2. *Pension Plan*

The company has in effect, for eligible personnel, a contributory pension plan. The unfunded past service cost of the plan, as amended, effective July 1, 1970, was \$363,746, at June 30, 1976.

Effective July 1, 1976, the plan was amended to comply with the Employee Retirement Income Security Act, to eliminate the contributions on the part of the employees and to change the benefit formula. The amendment increased the unfunded past service cost of the plan to \$1,238,554. In view of the increased costs the Board of Directors has chosen to fund the past service cost over a 30-year period for purposes of the current accrual of expense as opposed to 10-year funding in the prior year. This lack of consistency in funding of past service costs has the effect of increasing net income for the current year by \$74,973.

The method of valuation employed is the frozen initial liability method, a variant of the entry age normal method. In the opinion of the actuary, the assumptions used are in the aggregate reasonably related to the experience of the plan and to reasonable expectations. The assets of the plan, at market, at June 30, 1976, as reported by the trustees, amounted to \$1,822,165.

**DISBURSEMENTS**  
**U.S. Government Account**

**July 1, 1975 — June 30, 1976**

**EXPENDITURES FOR MANUFACTURING:**

Services .....	\$968,636.17	
Stereograph Materials .....	9,182.43	
Vacuum-Form Materials .....	69,497.00	
Large Type Materials .....	142,721.88	
Printing and Binding Materials .....	231,300.03	
Printing and Binding Supplies .....	27,363.05	
Talking Book Materials .....	2,413.13	
Educational Aids and Materials .....	821,886.31	
Miscellaneous .....	<u>65,000.00</u>	
		\$2,338,000.00

**EXPENDITURES FOR ADVISORY SERVICES:**

Salaries .....	51,193.00	
Staff and Committee Travel .....	11,694.67	
Supplies and Related Expenses .....	<u>17,112.33</u>	
		\$ 80,000.00
		<u>\$2,418,000.00</u>

# LIST OF THE PUBLIC INSTITUTIONS for the EDUCATION OF THE BLIND IN THE UNITED STATES

Name of Institution	January 6, 1975 No. of Pupils	Amount of Quota for the year ending
		June 30, 1976
Alabama Institute for the Deaf and Blind		
Talladega, Alabama .....	796	\$68,120.35
Alabama State Department of Education		
Montgomery, Alabama .....	217	18,570.50
Alaska State Department of Education		
Juneau, Alaska .....	45	3,851.02
Arizona State School for the Deaf and the Blind		
Tucson, Arizona .....	81	6,931.85
Arizona State Department of Education		
Phoenix, Arizona .....	140	11,980.96
Arkansas Enterprises for the Blind		
Little Rock, Arkansas .....	89	7,616.48
Arkansas School for the Blind		
Little Rock, Arkansas .....	171	14,633.89
Arkansas Children's Colony		
Conway, Arkansas .....	33	2,824.08
Arkansas State Department of Education		
c/o Arkansas School for the Blind		
Little Rock, Arkansas .....	28	2,396.20
California School for the Blind		
Berkeley, California .....	107	9,156.88
Orientation Center for the Blind		
Albany, California .....	41	3,508.71
California State Department of Education		
Sacramento, California .....	2890	247,321.38
Colorado School for the Deaf and the Blind		
Colorado Springs, Colorado .....	82	7,017.42
Colorado State Department of Education		
Denver, Colorado .....	231	19,768.59
Oak Hill School		
Hartford, Connecticut .....	113	9,670.36
Mansfield State Training School		
Mansfield Depot, Connecticut .....	9	770.20
Connecticut State Board of Education		
and Services for the Blind		
Wethersfield, Connecticut .....	310	26,529.28
Bureau for the Visually Impaired		
Wilmington, Delaware .....	6	513.47
Delaware State Department of Public Instruction		
Dover, Delaware .....	52	4,450.08
Gateway Hope Center		
Jacksonville, Florida .....	76	6,503.95
Florida School for the Deaf and the Blind		
St. Augustine, Florida .....	152	13,007.91
Rehabilitation Center for the Blind		
Daytona Beach, Florida .....	34	2,909.66



Name of Institution	January 6, 1975	Amount of Quota
	No. of Pupils	for the year ending June 30, 1976
Florida State Department of Education		
Tallahassee, Florida .....	894	76,507.03
Gracewood State School and Hospital		
Gracewood, Georgia .....	8	684.63
Georgia Academy for the Blind		
Macon, Georgia .....	181	15,489.68
Georgia Rehabilitation Center		
Warm Springs, Georgia .....	26	2,225.03
Georgia State Department of Education		
Atlanta, Georgia .....	455	38,938.14
Atlanta Area Services		
Atlanta, Georgia .....	17	1,454.83
Hawaii School for the Deaf and the Blind		
Honolulu, Hawaii .....	8	684.63
Hawaii State Department of Education		
Honolulu, Hawaii .....	29	2,481.77
Idaho State School for the Deaf and the Blind		
Gooding, Idaho .....	29	2,481.77
Idaho Commission/Adult Orientation & Adjustment Center		
Boise, Idaho .....	6	513.47
Idaho State Department of Education		
c/o Idaho State School for the Deaf and the Blind		
Gooding, Idaho .....	40	3,423.13
Chicago Lighthouse for the Blind		
Chicago, Illinois .....	84	7,188.58
Illinois Braille and Sight Saving School		
Jacksonville, Illinois .....	152	13,007.91
Illinois Visually Handicapped Institute		
Chicago, Illinois .....	52	4,450.07
Hope School		
Springfield, Illinois .....	66	5,648.17
Illinois State Department of Public Instruction		
Springfield, Illinois .....	1291	110,481.63
Indiana School for the Blind		
Indianapolis, Indiana .....	179	15,318.52
Indiana State Department of Public Instruction		
Indianapolis, Indiana .....	462	39,537.19
Iowa Braille and Sight Saving School		
Vinton, Iowa .....	101	8,643.41
Iowa Commission for the Blind		
Des Moines, Iowa .....	17	1,454.83
Woodward State Hospital-School		
Woodward, Iowa .....	25	2,139.46
Iowa State Department of Public Instruction		
Des Moines, Iowa .....	188	16,088.73
Kansas School for the Visually Handicapped		
Kansas City, Kansas .....	61	5,220.27
Kansas Rehabilitation Center for the Adult Blind		
Topeka, Kansas .....	10	855.79
Kansas State Department of Education		
Topeka, Kansas .....	208	17,800.29

Name of Institution	January 6, 1975 No. of Pupils	Amount of Quota for the year ending June 30, 1976
Kentucky Industries and Rehabilitation Center for the Blind		
Louisville, Kentucky .....	8	684.63
Kentucky School for the Blind		
Louisville, Kentucky .....	104	8,900.14
Department of Human Resources		
Frankfort, Kentucky .....	52	4,450.08
Kentucky State Department of Education		
Frankfort, Kentucky .....	215	18,399.34
Louisiana State School for the Blind		
Baton Rouge, Louisiana .....	92	7,873.20
Hammond State School		
Hammond, Louisiana .....	-0-	-0-
Louisiana State School for the Blind		
Southern University		
Baton Rouge, Louisiana .....	55	4,706.81
Pinecrest State School		
Pineville, Louisiana .....	60	5,134.70
Louisiana State Department of Education		
Baton Rouge, Louisiana .....	218	18,656.08
State of Maine, Division of Eye Care		
Augusta, Maine .....	147	12,580.02
Maryland School for the Blind		
Baltimore, Maryland .....	293	25,074.45
D.C. Children's Center		
Laurel, Maryland .....	30	2,567.35
Maryland State Department of Education		
Baltimore, Maryland .....	307	26,272.54
Perkins School for the Blind		
Watertown, Massachusetts .....	223	19,083.97
Boston Center for Blind Children		
Boston, Massachusetts .....	15	1,283.68
Walter E. Fernald State School		
Waverley, Massachusetts .....	53	4,535.65
Massachusetts Association for the Blind		
Boston, Massachusetts .....	40	3,423.13
Protestant Guild for the Blind		
Watertown, Massachusetts .....	31	2,652.93
Massachusetts State Department of Education		
Boston, Massachusetts .....	609	52,117.20
Michigan School for the Blind		
Lansing, Michigan .....	236	20,196.49
Rehabilitation Institute		
Detroit, Michigan .....	13	1,112.51
Michigan Rehabilitation Center for the Blind		
Kalamazoo, Michigan .....	27	2,310.62
Plymouth State Home and Training School		
Northville, Michigan .....	11	941.36
Michigan State Department of Education		
Lansing, Michigan .....	955	81,727.31
Minnesota Braille and Sight Saving School		
Faribault, Minnesota .....	65	5,562.59
Minneapolis Society for the Blind		
Minneapolis, Minnesota .....	14	1,198.10

Name of Institution	January 6, 1975 No. of Pupils	Amount of Quota for the year ending June 30, 1976
Minnesota State Department of Education		
St. Paul, Minnesota.....	294	25,160.02
Mississippi School for the Blind		
Jackson, Mississippi.....	128	10,954.03
Mississippi Vocational Rehabilitation for the Blind		
Jackson, Mississippi.....	29	2,481.77
Mississippi State Department of Education		
Jackson, Mississippi.....	84	7,188.58
Missouri School for the Blind		
St. Louis, Missouri.....	191	16,345.46
Missouri State Department of Education		
c/o Missouri School for the Blind		
St. Louis, Missouri.....	262	22,421.53
Montana School for the Deaf and Blind		
Great Falls, Montana.....	14	1,198.09
Montana State Department of Public Instruction		
c/o Montana School for the Deaf and Blind		
Great Falls, Montana.....	100	8,557.84
Nebraska School for the Visually Handicapped		
Nebraska City, Nebraska.....	45	3,851.02
Nebraska State Department of Education		
Lincoln, Nebraska.....	106	9,071.30
Nevada State Department of Education		
Carson City, Nevada.....	44	3,765.45
New Hampshire State Department of Education		
Concord, New Hampshire.....	128	10,954.03
New Jersey Commission for the Blind		
Newark, New Jersey.....	853	72,998.31
New Mexico School for the Visually Handicapped		
Alamogordo, New Mexico.....	93	7,958.79
New Mexico State Department of Education		
c/o New Mexico School for the Visually Handicapped		
Alamogordo, New Mexico.....	156	13,350.22
New York Institute for the Education of the Blind		
Bronx, New York.....	146	12,494.43
New York State School for the Blind		
Batavia, New York.....	126	10,782.87
Lavelle School for the Blind		
Bronx, New York.....	122	10,440.56
New York State Department of Education		
Albany, New York.....	1337	114,418.23
Governor Morehead School		
Raleigh, North Carolina.....	288	24,646.56
Murdoch Center		
Butner, North Carolina.....	70	5,990.48
North Carolina State Commission		
Raleigh, North Carolina.....	32	2,738.51
North Carolina State Department of Public Instruction		
Raleigh, North Carolina.....	266	22,763.83
North Dakota School for the Blind		
Grand Forks, North Dakota.....	51	4,364.50



Name of Institution	Amount of Quota for the year ending	
	January 6, 1975 No. of Pupils	June 30, 1976
North Dakota State Department of Public Instruction		
Bismarck, North Dakota.....	11	941.36
Ohio State School for the Blind		
Columbus, Ohio .....	154	13,179.06
Ohio State Department of Education		
Columbus, Ohio .....	821	70,259.81
Oklahoma School for the Blind		
Muskogee, Oklahoma .....	106	9,071.31
Oklahoma State Department of Public Instruction		
Oklahoma City, Oklahoma .....	108	9,242.46
Oregon State School for the Blind		
Salem, Oregon .....	61	5,220.27
Oregon State Board of Education		
Salem, Oregon .....	135	11,553.08
Overbrook School for the Blind		
Philadelphia, Pennsylvania .....	205	17,543.56
Elwyn Institute		
Elwyn, Pennsylvania .....	35	2,995.24
Western Pennsylvania School for Blind Children		
Pittsburgh, Pennsylvania .....	143	12,237.70
Royer-Greaves School for the Blind		
Paoli, Pennsylvania .....	71	6,076.06
Upsal Day School for Blind Children		
Philadelphia, Pennsylvania .....	84	7,188.58
Pennsylvania State Department of Public Instruction		
Harrisburg, Pennsylvania .....	1066	91,226.50
Rhode Island State Department of Education		
Providence, Rhode Island .....	169	14,462.74
South Carolina School for the Deaf and the Blind		
Spartanburg, South Carolina .....	153	13,093.48
South Carolina Commission for the Blind		
Columbia, South Carolina .....	23	1,968.30
South Carolina State Department of Education		
Columbia, South Carolina .....	350	29,952.42
South Dakota School for the Blind		
Aberdeen, South Dakota .....	25	2,139.46
South Dakota Services to the Visually Handicapped		
Sioux Falls, South Dakota .....	5	427.89
South Dakota State Department of Public Instruction		
Pierre, South Dakota .....	31	2,652.93
Tennessee School for the Blind		
Nashville, Tennessee .....	170	14,548.32
Clover Bottom Hospital and School		
Donelson, Tennessee .....	10	855.78
Tennessee State Department of Education		
Nashville, Tennessee .....	513	43,901.68
Texas School for the Blind		
Austin, Texas .....	247	21,137.85



Name of Institution	January 6, 1975 No. of Pupils	Amount of Quota for the year ending June 30, 1976
Criss Cole Rehabilitation Center		
Austin, Texas.....	72	6,161.64
Texas Education Agency		
Austin, Texas.....	913	78,133.02
Utah School for the Blind		
Ogden, Utah.....	99	8,472.25
Utah State Department of Public Instruction		
c/o Utah School for the Blind		
Ogden, Utah.....	96	8,215.52
Vermont State Department of Education		
Montpelier, Vermont.....	62	5,305.86
Virginia School for the Deaf and the Blind		
Staunton, Virginia.....	59	5,049.12
Virginia School at Hampton		
Hampton, Virginia.....	81	6,931.84
Virginia Commission for the Visually Handicapped		
Richmond, Virginia.....	156	13,350.22
Virginia State Board of Education		
c/o Virginia Commission for the Visually Handicapped		
Richmond, Virginia.....	404	34,573.65
Washington State School for the Blind		
Vancouver, Washington.....	105	8,985.72
Washington State Department of Public Instruction		
Olympia, Washington.....	464	39,708.35
West Virginia Schools for the Deaf and Blind		
Romney, West Virginia.....	87	7,445.31
Colin Anderson Center		
St. Marys, West Virginia.....	17	1,454.84
West Virginia State Department of Education		
Charleston, West Virginia.....	145	12,408.85
Wisconsin School for the Visually Handicapped		
Janesville, Wisconsin.....	132	11,296.34
Wisconsin State Department of Public Instruction		
Madison, Wisconsin.....	308	26,358.13
Wyoming State Department of Education		
Cheyenne, Wyoming.....	67	5,733.75
National Children's Center, Inc.		
Washington, D.C.....	19	1,625.99
District of Columbia Public Schools		
Washington, D.C.....	67	5,733.74
Columbia Lighthouse for the Blind		
Washington, D.C.....	21	1,797.15
Canal Zone Division of Schools		
Balboa Heights, Canal Zone.....	2	171.15
Instituto Loaiza Cordero para Ninos Ciegos		
Santurce, Puerto Rico.....	96	8,215.53
Department of Social Services		
Hato Rey, Puerto Rico.....	13	1,112.51
Guam School for the Deaf and the Blind		
Agana, Guam.....	9	770.21
	27,320	\$2,338,000.00









